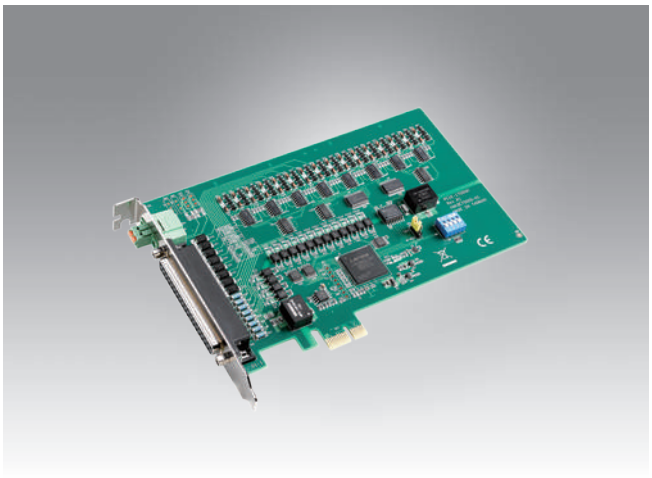
PCIE-1750U

32-ch Isolated Digital I/O with universal output PCI Express Card



Features

- 16-ch isolated digital input
- 16-ch isolated digital output for both PNP(source)/ NPN (sink) type
- High output driving capacity
- DO type selectable by software
- High isolation voltage (2,500 V_{DC})

Introduction

PCIE-1750U provide 32 isolated DI/O with 2500V_{DC} protection. Featured with software-configurable DO-polarity, users can apply either NPN(sink type) or PNP(source type) to the DO channels according to the application scenarios. The high sink current capability ensures this card to be applied on industrial automation environments.

Specifications

Isolated Digital Input

- **Channels** 16
- **Input Voltage** Logic 0: 3 V max.
Logic 1: 10 V min. (30 V max.)
- **Interruptible Channels** 2 (IDI0, IDI8)
- **Isolation Protection** 2,500 V_{DC}
- **Opto-Isolator Response** 100 µs
- **Input Resistance** 3.37KΩ @ 1W
- **Input current** 3.4mA @ 12 V_{DC}
7.13mA @ 24 V_{DC}

Isolated Digital Output

- **Channels** 16
- **Output Type** Sink type (NPN) or Source type (PNP), software-configurable
- **Isolation Protection** 2,500 V_{DC}
- **Output Voltage** 5 ~ 40 V_{DC}
- **Sink Current** 350 mA max./channel
- **Opto-Isolator Response** 100 µs

General

- **Bus Type** PCI Express V1.0
- **I/O Connectors** 1 x DB37, female
- **Dimensions (L x H)** 168 x 100 mm (6.6" x 3.9")
- **Power Consumption** Typical: 3.3V @ 255mA, 12V @ 30mA
Max.: 3.3V @ 280mA, 12V @ 60mA
- **Operating Temperature** 0 ~ 60 °C (32 ~ 140 °F)
- **Storage Temperature** -25 ~ 85 °C (-13 ~ 185 °F)
- **Storage Humidity** 5 ~ 95% RH, non-condensing

Ordering Information

- **PCIE-1750U** 32-ch Isolated Digital I/O with universal output PCI Express Card

Accessories

- **ADAM-3937-BE** DB37 DIN rail wiring board
- **PCL-10137-1E** DB37 cable, 1 m
- **PCL-10137-2E** DB37 cable, 2 m
- **PCL-10137-3E** DB37 cable, 3 m

All product specifications are subject to change without notice.